

ABSTRACT

A tire structural member fabricating method fabricates a tire structural member by successively and contiguously attaching strips 1 to the convex outer surface having an outwardly convex cross section of a forming drum 11 by a strip feed device 21 such that the strips 1 extend obliquely to the center axis C of the forming drum 11. The strip feed device 21 moves parallel to the center axis C of the forming drum 11 at a fixed speed V and feeds strips 1 successively onto the outer surface of the forming drum 11. A controller 40 controls the rotation of the forming drum 11 such that the angular velocity ω of the forming drum 11 varies gradually from a minimum angular velocity at a moment the leading end of the strip 1 is attached to the convex outer surface of the forming drum 11 to a maximum angular velocity at a moment the strip 1 is attached to a middle part of the convex outer surface of the forming drum 11 and from the maximum angular velocity to a minimum angular velocity, equal to the minimum angular velocity at the moment the leading end is attached to the outer surface of the forming drum 11, at a moment the trailing end of the strip 1 is attached to the convex outer surface of the forming drum 11. A plurality of strips are successively attached to the outer surface of the forming drum 11 in a proper arrangement to form a tire structural member of a uniform quality.